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2676  

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**FACSIMILE TRANSMITTAL SHEET**

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TO:	FROM:
Examiner Edwyn Labaze	Kent J. Sieffert
COMPANY:	DATE:
U.S. Patent & Trademark Office	FEBRUARY 20, 2003
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
703-872-9318	19
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
703-305-5437	1004-065US01
RE:	YOUR REFERENCE NUMBER:
Amendment to Office Action	10/027,764

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☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY

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NOTES/COMMENTS:

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PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Thomas F. Look	Examiner:	Edwyn Labaze
Serial No.:	10/027,764	Group Art Unit:	2876
Filed:	December 19, 2001	Docket No.:	1004-065US01
Title:	ARTICLE WITH RETROREFLECTIVE AND RADIO FREQUENCY-RESPONSIVE FEATURES		

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being transmitted via facsimile to the Commissioner for Patents, Washington, D.C. 20231 on February 20, 2003.

By: Shirley A. Betlach  
Name: Shirley A. Betlach

COMMUNICATION

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Commissioner for Patents  
Washington, D.C. 20231

FEB 20 2003

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Dear Sir:

It has come to our attention that in a Response to Office Action dated February 5, 2003, Applicant inadvertently failed to include a version of the claims showing changes pursuant to 37 CFR § 1.121(c)(ii). In particular, the Response showed only the claims as amended, but failed to show changes from previously pending claims.

For the convenience of the Examiner, Applicant has attached (1) a copy of the Response filed February 5, 2003, and (2) a corrected "Version Showing Changes Pursuant to 37 CFR § 1.121(c)(ii)," (2 pages).

Date:

By:

February 20, 2003  
SHUMAKER & SIEFFERT, P.A.  
8425 Seasons Parkway, Suite 105  
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Telephone: 651.735.1100  
Facsimile: 651.735.1102

Kent J. Sieffert  
Name: Kent J. Sieffert  
Reg. No.: 41,312

**VERSION SHOWING CHANGES PURSUANT TO 37 CFR § 1.121(c)(ii)**

1. (Amended) A combination tag, comprising:  
a retroreflective article having an optical article and a reflective layer;  
wherein the optical article includes an optical surface, an opposite rear surface,  
and a structured surface coextensive with one of the optical surface and the rear surface;  
wherein the reflective layer ~~is~~ comprises a metallized ink deposited on at least a  
portion of the structured surface of the optical article;  
a radio frequency-responsive element including an antenna and an integrated  
circuit, the radio frequency-responsive element having information storage and transmission  
capabilities adapted to enable an interrogation system to obtain information from the radio  
frequency-responsive element; and  
wherein the radio frequency-responsive element is coupled to one of the optical  
surface or rear surface of the retroreflective article.
2. (Amended) The combination tag of claim 1 wherein the reflective-  
layer metallized ink includes a polymer carrier and non-contiguous metal layer particles.
3. ~~The combination tag of claim 2 wherein the reflective layer is a metallized ink.~~
4. (Amended) The combination tag of claim 32 wherein the metallized  
ink ~~reflective layer~~ has a metal content of about 10% to 14% by volume.
5. (Amended) The combination tag of claim 32 wherein the metal is silver.
6. The combination tag of claim 1 wherein the optical article includes glass  
microspheres embedded in a spacing resin, and wherein the optical surface and rear surface are  
formed from the spacing resin.

7. The combination tag of claim 6 wherein the reflective layer is deposited directly on at least portions of the spacing resin.

8. The combination tag of claim 1, and further comprising security indicia disposed on the optical article.

9. (Amended) A combination tag, comprising:  
a retroreflective article having an optical article and a reflective layer;  
wherein the optical article includes optical elements comprising microspheres embedded in a spacing resin, the optical article having an optical surface and an opposite structured rear surface formed from the spacing resin; and  
wherein the reflective layer is a non contiguous metallized layer deposited on at least a portion of the structured rear surface of the optical article; and  
a radio frequency-responsive element coupled to the rear surface of the article, the radio frequency-responsive element including an antenna and an integrated circuit, the radio frequency-responsive element having information storage and transmission capabilities adapted to enable an interrogation system to obtain information from the radio frequency-responsive element.

10.(New) The combination tag of claim 9 wherein the reflective layer includes a metallized ink deposited on at least a portion of the structured rear surface of the optical article.

11.(New) The combination tag of claim 10 wherein the metallized ink includes a polymer carrier and non-contiguous metal particles.

12.(New) The combination tag of claim 11 wherein the metallized ink has a metal content of about 10% to 14% by volume.

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651-735-1102 Big FAX

Page 001

TO:Auto-reply fax to 651-735-1102 COMPANY:

## Auto-Reply Facsimile Transmission



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PATENT AND  
TRADEMARK OFFICE

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Cover  
Page

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02/05/2003 16:43	651-735-1102	SHUMAKER & SIEFFERT	PAGE 01/13
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FACSIMILE TRANSMISSION SHEET	
TO: Brandon Edwin Labrec	FROM: Kent J. Sieffert
COMPANY: U.S. Patent & Trademark Office	DATE: FEBRUARY 5, 2003
FAX NUMBER: 725-878-9318	TOTAL NO. OF PAGES TRANSMITTED: 13
PHONE NUMBER: 725-305-5437	RECEIVED BY: KENT J. SIEFFERT
RE: Amendments to Office Action	TOTAL PAGES RECEIVED: 13

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NOTES/COMMENTS:

Received from <651-735-1102> at 25823 04/20/03 [Eastern Standard Time]

## TRANSMISSION VERIFICATION REPORT

TIME : 02/05/2003 16:47  
NAME : SHUMAKER & SIEFFERT  
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NOTES/COMMENTS:

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Thomas F. Look Examiner: Edwyn Labase  
Serial No.: 10/027,764 Group Art Unit: 2876  
Filed: December 19, 2001 Docket No.: 1004-065US01  
Title: ARTICLE WITH RETROREFLECTIVE AND RADIO FREQUENCY-  
RESPONSIVE FEATURES

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being transmitted via facsimile to the Commissioner for Patents, Washington, D.C. 20231 on February 5, 2003.

By: Shirley A. Betlach  
Name: Shirley A. Betlach

BOX Non-Fee Amendments  
Commissioner for Patents  
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached correspondence relating to this application:

- ☒ Transmittal sheet containing Certificate of Mailing  
☒ Amendment (11 pgs.)  
☒ No additional fee is required

Please apply any charges not covered, or any credits, to Deposit Account No. 50-1778.

Date: February 5, 2003

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